



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

Application Number	10/608,092
Filing Date	30-Jun-2003
First Named Inventor	Gray, Joe W., et al.
Art Unit	1631
Examiner Name	Marjorie A. Moran
Attorney Docket Number	7045945002

Sheet	1	of	1
-------	---	----	---

[illegible]

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T6
		Country Code ² –Number ⁴ –Kind Code ⁵ (if known)				
/JSB/	B12	PCT - WO 90/05789	05-31-1990	YALE UNIVERSITY		
/JSB/	B13	EP-A-0430 402	06-05-1991	GRAY et al.		
/JSB/	B14	CA - 1,301,605	05-26-1992	GRAY et al.		
/JSB/	B15	PCT - WO 94/09022	04-28-1994	WANG et al.		
/JSB/	B16	JP-A-2005-304508	11-04-2005	GRAY et al.		
Examiner * Signature				Date Considered		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT***(Use as many sheets as necessary)***Complete if Known**

Sheet	1	of	17	Application Number	10/608,092
-------	---	----	----	--------------------	------------

Filing Date	30-Jun-2003
First Named Inventor	Gray, Joe W., et al.
Art Unit	1631
Examiner Name	Marjorie A. Moran
Attorney Docket Number	7045945002

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/JSB/	B17	ABE et al., Chromosomal In Situ Hybridization and Southern Blot Analyses Using c-abl, c-sis, or bcr Probe in Chronic Myelogenous Leukemia Cells with Variant Philadelphia Translocations, Vol. 38, pgs. 61-74 (1989), Cancer Genet Cytogenet	
	B18	ALWINE et al., Methods in Enzymology, Vol. 68, pgs. 220-242 (Academic Press, New York, 1979)	
	B19	ANGERER et al., "In Situ Hybridization to Cellular RNAs," in Genetic Engineering: Principles and Methods, Setlow and Hollaender, Eds., Vol. 7, pgs. 43-65 (Plenum Press, New York, 1985)	
	B20	ARNOIDUS et al., Detection of the Philadelphia Chromosome in Interphase Nuclei, Vol. 54, pgs. 108-111 (1990), Cytogenet Cell Genet Karger, Basel, Switzerland	
	B21	BARDONI et al., Cytogenet. Cell Genet., Vol. 46, pg. 575 (1987)	
/JSB/	B22	BARTRAM et al., Persistence of Chronic Myelocytic Leukemia Despite Deletion of Rearranged bcr/c-abl Sequences in Blast Crisis, Vol. 164, pgs. 1389-1396, (November 1986) J. Exp. Med [^]	
	B23	BARTRAM et al., Translocation of c-abl Oncogene Correlates with the Presence of a Philadelphia Chromosome in Chronic Myelocytic Leukemia, Vol. 306, pgs. 277-280 (Nov. 1993), Nature Publishing Group, London, England	
	B24	BAYER et al., "The Use of the Avidin Biotin Complex as a Tool in Molecular Biology," Methods of Biochemical Analysis, Vol. 26, pgs. 1-43 (1980)	
/JSB/	B25	BENN et al., Utility of Molecular Genetic Analysis of bcr Rearrangement in the Diagnosis of Chronic Myeloid Leukemia, Vol. 29, pgs. 1-7 (1987), Cancer Genet Cytogenet	
/JSB/	B26	BEN-NERIAH et al., The Chronic Myelogenous Leukemia-Specific P210 Protein Is the Product of the bcr/abl Hybrid Gene, Science, Vol. 233, pgs. 212-214 (July 1986)	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Sheet	2	of	17	Application Number	10/608,092
				Filing Date	30-Jun-2003
				First Named Inventor	Gray, Joe W., et al.
				Art Unit	1631
				Examiner Name	Marjorie A. Moran
				Attorney Docket Number	7045945002

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		BENTON and DAVIS, Science, Vol. 196, pgs. 180-182 (1977)	
	B27		
		BERG, Ed. Genetic Damage in Man Caused by Environmental Agents, Academic Press, New York, (1979)	
	B28		
		Biochemical Indicators of Radiation Injury in Man, (1971), International Atomic Energy Agency, Vienna	
	B29		
		BRIGATI et al., "Detection of Viral Genomes in Cultured Cells and Paraffin-Embedded Tissue Sections Using BiotinLabeled Hybridization Probes," Virology, Vol. 126, pgs. 32-50 (1983)	
	B30		
		BRISON et al., "General Method for Cloning Amplified DNA by Differential Screening with Genomic Probes," Molecular and Cellular Biology, Vol. 2, pgs. 578-587 (1982)	
	B31		
		BRITTEN et al., "Analysis of Repeating DNA Sequences by Reassociation Inn Methods in Enzymology, Vol. 29, pgs. 363-418 (1974)	
	B32		
		BROCK et al., Chromosoma, Vol. 83, NO. 2, pgs. 159-168, Berlin, Germany (1981)	
	B33		
		BROKER et al., "Electron Microscopic Visualization of tRNA Genes with Ferritin-Avidin: Biotin Labels," Nucleic Acids Research, Vol. 5, pgs. 363-384 (1978)	
	B34		
/JSB/	B35	CANAANI et al., Altered Transcription Of An Oncogene In Chronic Myeloid Leukaemia, Vol. 1, pgs. 593-596, (March 1984), The Lancet	
		CANNIZZARO et al., Cytogenetics and Cell Genetics, Vol. 39, pgs. 173-178, (1985)	
	B36		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT***(Use as many sheets as necessary)***Complete if Known**

Application Number	10/608,092
Filing Date	30-Jun-2003
First Named Inventor	Gray, Joe W., et al.
Art Unit	1631
Examiner Name	Marjorie A. Moran
Attorney Docket Number	7045945002

Sheet 3 of 17

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	B37	CANTOR and SCHIMMEL, Biophysical Chemistry: Part III: The Behavior of Biological Macromolecules, at 1226-1230 (Freeman and Co. 1988)	
	B38	CARRANO et al., "Measurement and Purification of Human Chromosomes by Flow Cytometry and Sorting," Proc. Natl. Acad. Sci., Vol. 76, pgs. 1992-1994 (1979)	
	B39	CHOLLET and KAWASHIMA, Nucleic Acids Resources, Vol. 5, pgs. 1529-1541 (1985)	
/JSB/	B40	CLARK et al., Expression of a Distinctive bcr-abl Oncogene in Ph-Positive Acute Lymphocytic Leukemia (ALL), Science, Vol. 239, pgs. 775-777, (Feb.1988), American Assoc. for the Advancement of Science, Washington, D.C.	
/JSB/	B41	COLLINS et al., Rearrangement and Amplification Of c-abl Sequences in the Human Chronic Myelogenous Keukemia Cell Line K-562, Vol. 80, pgs. 4813-4817, (1983), Proc. Natl. Aca. Sci. USA	
	B42	CONNOLLY et al., Nucleic Acids Research, Vol. 13, pp. 4485-4502 (1985)	
	B43	COVONE et al., Lancet, Oct. 13, 1984: pg. 841	
	B44	COX et al., "Detection of mRNAs in Sea Urchin Embryos by In Situ Hybridization Using Asymmetric RNA Probes," Developmental Biology, Vol. 101, pgs. 485-502 (1984)	
	B45	CREMER et al., Hum. Genet, Vol. 74, pg. 346 (1986)	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Sheet	4	of	17	Application Number	10/608,092
-------	---	----	----	--------------------	------------

Filing Date	30-Jun-2003
First Named Inventor	Gray, Joe W., et al.
Art Unit	1631
Examiner Name	Marjorie A. Moran
Attorney Docket Number	7045945002

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	B46	CREMER et al., Hum. Genet., Vol. 74, pg. 317, (1984)	
	B47	CREMER et al., Hum. Genet., Vol. 80, pg. 235 (1988)	
	B48	D'EUSTACHIO et al., Somatic Cell Genetics in Gene Families, Science, Vol. 220, pgs. 9, 19-24, (1983)	
	B49	DAVIES et al., "Cloning of a Representative Genomic Library of the Human XChromosome After Sorting by Flow Cytometry," Nature, Vol. 293, pgs. 374-376 (1981)	
/JSB/	B50	De KLEIN et al., A Cellular Oncogene is Translocated to the Philadelphia Chromosome in Chronic Myelocytic Leukaemia, Vol. 300, pgs. 765-767, (Dec. 1982) Nature Publishing Group, London, England ^Nature	
	B51	DENHARDT'S solution (Biochem. Biophys. Res. Commun., Vol. 23, pgs. 641-645 (1966)	
/JSB/	B52	DUBE et al., GENES, CHROMOSOMES & CANCER, Location of Breakpoints Within the Major Breakpoint Cluster Region (bcr) in 33 Patients With bcr Rearrangement-Positive Chronic Myeloid Leukemia (CML) With Complex or Absent Philadelphia Chromosome, Vol. 1, pgs. 106-111, (1989)	
	B53	DURNAM et al., Somatic Cell Molec. Genet., Vol. 11, pg. 571, (1985) ^Genes, Chromosomes, and Cancer	
	B54	EMANUEL, Am. J. Hum. Genet., 43: 575 (1988)	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/608,092
		Filing Date	30-Jun-2003
		First Named Inventor	Gray, Joe W., et al.
		Art Unit	1631
		Examiner Name	Marjorie A. Moran
		Attorney Docket Number	7045945002
Sheet	5	of	17

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	B55	EMANUEL, American Journal of Human Genetics, Vol. 43, pg. 575 (1988)	
	B56	EPSTEIN, The Consequences of Chromosome Imbalance: Principles, Mechanisms and Models Cambridge Univ. Press, (1986)	
/JSB/	B57	FAINSTEIN et al., A New Fused Transcript in Philadelphia Chromosome Positive Acute Lymphocytic Leukaemia, Vol. 330, pgs. 386-388, (Nov. 1987), Nature Publishing Group, London, England ^Nature	
	B58	FISHER et al., J. Cell. Biol., Vol. 109 (2), pgs. 891-902 (1989)	
/JSB/	B59	FISHLEDER et al., Leukemia, bcr Rearrangement: Potential False Positive Secondary to an Eco RI Restriction Fragment Length Polymorphism, Stohlman Foundation and Leukemia Society of America - International Symposium on the Biology of Hematopoiesis, Vol. 3, No. 10, pgs. 746-748, (October 1989)	
	B60	FUSCOE et al., Genomics, Vol. 5, pgs. 100-109 (1989)	
	B61	FUSCOE et al., in "Construction of Fifteen Human Chromosome-Specific DNA Libraries from Flow-Purified Chromosomes," Cytogenet. Cell Genet., Vol. 43, pgs. 79-86 (1986)	
	B62	G. D. JOHNSON and J. G. NOGUERIA, Immunol. Methods, Vol. 43, pg. 349 (1981)	
/JSB/	B63	GALE et al., An 8-kilobase abl RNA Transcript in Chronic Myelogenous Leukemia, Vol. 81, pgs. 5648-5652 (1984), Proc. Natl. Aca. Sci. USA	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/608,092
		Filing Date	30-Jun-2003
		First Named Inventor	Gray, Joe W., et al.
		Art Unit	1631
		Examiner Name	Marjorie A. Moran
		Attorney Docket Number	7045945002
Sheet	6	of	17

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	B64	GALL and PARDUE, "Nucleic Acid Hybridization in Cytological Preparations," Methods in Enzymology, Vol. 21, pgs. 470-480 (1981)	
	B65	GERMAN, "Studying Human Chromosomes Today," American Scientist, Vol. 58, pgs. 182-201 (1970)	
	B66	GERMAN, Clinical Implication of Chromosome Breakage, Genetic Damage in Man Caused by Environmental Agents, Beg, Ed., pgs. 65-86, (1979), Academic Press, New York,	
	B67	GERMAN, Studying Human Chromosomes Today, American Scientist, Vol. 58., pgs. 182-201, (1970)	
	B68	GIBIS and Jackson, Karyogram, Vol. 11. pg. 91 (1985)	
	B69	GRAY et al, UCRL-93567 ABSTRACT	
	B70	GREEN et al., described in Cell, Vol. 32, pgs. 681-694 (1983)	
/JSB/	B71	GROFFEN et al., Philadelphia Chromosomal Breakpoints are Clustered Within A Limited Region, bcr, on Chromosome 22, Vol. 36, pgs. 93-999, (Jan. 1984), Cell Press, Cambridge, MA, USA ^Cell	
	B72	GROSVELD et al. The Chronic Myelocytic Cell Line K562 Contains a Breakpoint in bcr and Produces a Chimeric bcr/c-abl Transcript, Molecular and Cellular Biology., Vol. 6, No. 2, pgs. 607-616, (Feb. 1986), American Society for Microbiology, Washington, DC, USA	
	B73	GUO et al. Nucl. Acids Res. Vol. 10 pg. 2065	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/608,092
Filing Date	30-Jun-2003
First Named Inventor	Gray, Joe W., et al.
Art Unit	1631
Examiner Name	Marjorie A. Moran
Attorney Docket Number	7045945002

Sheet 7 of 17

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	B74	GUSELLA et al., "Isolation and Localization of DNA Segments from Specific Human Chromosomes," Proc. Natl. Acad. Sci., Vol. 77, pgs. 2829-2833 (1980)	
	B75	HARPER et al., Chromosoma, Vol. 83, pgs. 431-439, (1981), Berlin, Germany	
	B76	HARPER et al., Localization of the Human Insulin Gene to the Distal End of the Short Arm of Chromosome 11, Vol. 78, pgs. 4458-4460, (1981), Proc. Natl. Acad. Sci.,	
	B77	HEGEWISCH-BECKER et al., RNA Isolation for PCR of BCR-ABL Rearrangements from CML Samples with Minimal Cell Numbers, LSE, pg. 289 (1989)	
/JSB/	B78	HEISTERKAMP et al., Localization of the c-abl Oncogene Adjacent to a Translocation Break Point in Chronic Myelocytic Leukaemia, Vol. 306, pgs. 239-242 (Nov. 1983), Nature Publishing Group, London, England	
/JSB/	B79	HEISTERKAMP et al., Structural Organization of the bcr Gene and its Role in the PH ¹ Translocation, Vol. 315, pgs. 758-761, (June 1985), Nature Publishing Group, London, England	
	B80	HEISTERKAMP et al., The First bcr Gene Intron Contains Breakpoints in Philadelphia Chromosome Positive Leukemia, Nucleic Acids Research, Vol. 10, No. 21, pgs. 10070-10081, (1982), IRL Press Limited, Oxford, England	
/JSB/	B81	HEISTERKAMP et al., The Human v-abl Cellular Homologue, Jour. of Mol. and Appl. Gene., Vol. 2, No. 1 pgs. 57-68, (1983), Raven Press, New York	
	B82	HENDERSON, Cytological Hybridization to Mammalian Chromosomes, Vol. 76, pgs. 1-46 (1982), International Review of Cytology	
	B83	HERMANS et al., Unique Fusion of bcr and c-abl Genes in Philadelphia Chromosome Positive Acute Lymphoblastic Leukemia, Vol. 31, pgs. 33-40, (Oct. 1987), Cell Press Cambridge, MA, USA	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/608,092
		Filing Date	30-Jun-2003
		First Named Inventor	Gray, Joe W., et al.
		Art Unit	1631
		Examiner Name	Marjorie A. Moran
		Attorney Docket Number	7045945002
Sheet	8	of	17

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		HERZENBERG et al., PNAS, Vol. 76, pg. 1453 (1979)	
	B84		
/JSB/	B85	HIROSAWA et al., Undetectable <i>bcr-abl</i> Rearrangements in Some CML Patients Are Due to a Deletion Mutation in the bcr Gene, Vol. 28, pgs. 33-36, (1988), American Journal of Hematology	
	B86	HOHN in Methods in Enzymology, Vol. 68, pp. 299-309 (1979) Molecular Cloning: A Laboratory Manual (Cold Spring Harbor Laboratory, New York, (1982)	
/JSB/	B87	HOOBERMANN et al., Detection of the Philadelphia Chromosome in Acute Lymphoblastic Leukemia by Pulsed-Field Gel Electrophoresis, Blood Vol. 74, No. 3, pgs. 1101-1107, (August 1989)	
	B88	HOPMAN et al., Exp. Cell Res., Vol. 169, pg. 357 (1987)	
	B89	Hum. Genet., 1988, Vol. 80, 'pgs. 224-34	
	B90	Hum. Genet., 1988, Vol. 80, pgs. 235-46	
	B91	JABS et al., Proceedings Of The National Academy Sciences, Vol. 81, pgs. 4884-4888, (1984), USA	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/608,092
		Filing Date	30-Jun-2003
		First Named Inventor	Gray, Joe W., et al.
		Art Unit	1631
		Examiner Name	Marjorie A. Moran
		Attorney Docket Number	7045945002
Sheet	9	of	17

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	B92	JACOBS, Am. J. Epidemiology, Vol. 105. pg.180, (1977)	
/JSB/	B93	JOHNSON et al., A Simple Method of Reducing the Fading of Immunofluorescence During Microscopy, Vol. 43, pgs. 349-350, (1981), Journal of Immunological Methods	
	B94	KALLIONIEMI et al. Science Vol 258 pgs 818-821 USA (30 October 1992)	
	B95	KAO et al., Assignment of the structural Gene Coding for Albumin to Chromosome 4, Vol. 62, pgs. 337-341, (1982), Human Genetics	
	B96	KAO, Somatic Cell Genetics and Gene Mapping, Vol. 85, pgs. 109-146, (1983), International Review of Cytology	
	B97	KAWASAKI et al., Diagnosis of Chronic Myeloid and Acute Lymphocytic Leukemias by Detection of Leukemia-Specific mRNA Sequences Amplified in vitro, Proc. Natl. Acad. Sci., USA, Vol. 85, (Aug 1988) pgs. 5698-5702, National Academy of Sciences, Washington, DC USA	
	B98	KAWATA et al., J. Exp. Med., Vol. 160, pg. 653 (1984)	
	B99	KOHLER et al., Expression of bcr-abl fusion transcripts following bone marrow transplantation for Philadelphia chromosome-positive leukemia, PubMed, Vol. 4(8), pgs. 541-547, (Aug. 1990)	
/JSB/	B100	KONOPKA et al., An Alteration of the Human c-abl Protein in K562 Leukemia Cells Unmasks Associated Tyrosine Kinase Activity, Cell, Vol. 37, pgs. 1035-1042, (July 1984)	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/608,092
				Filing Date	30-Jun-2003
				First Named Inventor	Gray, Joe W., et al.
				Art Unit	1631
				Examiner Name	Marjorie A. Moran
				Attorney Docket Number	7045945002
Sheet	10	of	17		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/JSB/	B101	KONOPKA et al., Cell Lines and Clinical Isolates Derived from Ph ¹ -Positive Chronic Myelogenous Leukemia Patients Express c-abl Proteins with a Common Structural Alteration, Vol. 82, pgs. 1810-1814, Proc. Natl. Aca. Sci. USA (1985)	
	B102	KRAYBILL et al., Eds., Environmental Cancer Hemisphere Publishing Corporation, New York, (1977)	
	B103	KRUMLAUF et al., "Construction and Characterization of Genomic Libraries from Specific Human Chromosomes," Proc. Natl. Acad. Sci. Vol. 79, pgs. 2971-2975 (1982)	
	B104	KUHLMANN, Immunoenzyme Techniques in Cytochemistry (Weinheim, Basel, 1984)	
	B105	LANDEGENT et al., Exptil Cell Res., Vol. 153, pgs. 61-72 (1984)	
	B106	LANDEGREN et al., Science, Vol. 242, pg. 229, (1988)	
	B107	LANGER et al., "Enzymatic Synthesis of Biotin Labeled Polynucleotides: Novel Nucleic Acid Affinity Probes," Proc. Natl. Acad. Sci. Vol. 78, pgs. 6633-6637 (1981)	
	B108	LANGER-SAFER et al., PNAS USA, Vol. 79, pg. 4381 (1982)	
	B109	LATT, "Optical Studies of Metaphase Chromosome Organization," Annual Review of Biophysics and Bioengineering, Vol. 5, pgs. 1-37 (1976)	
	B110	LAWN et al., "The Isolation and Characterization of Linked Delta-and-Beta-Globin Genes from a Cloned Library of Human DNA," Cell, Vol. 15, pgs. 1157-1174 (1978)	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/608,092
				Filing Date	30-Jun-2003
				First Named Inventor	Gray, Joe W., et al.
				Art Unit	1631
				Examiner Name	Marjorie A. Moran
				Attorney Docket Number	7045945002
Sheet	11	of	17		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/JSB/	B111	LAWRENCE et al.; Sensitive, High-Resolution Chromatin and Chromosome Mapping In Situ: Presence and Orientation of Two Closely Integrated Copies of EBV in a Lymphoma Line; Vol. 52, pgs. 51-61, (1988) ^Cell	
/JSB/	B112	LEE et al., Detection of Two alternative <i>bcr/abi</i> m RNA Junctions and Minimal Residual Disease in Philadelphia Chromosome Positive Chronic Myelogenous Leukemia by Polymerase Chain Reaction, Blood Vol. 73, No. 8, pgs. 2165-2170 (June 1989)	
	B113	LEFFAK, Anal. Biochem., Vol. 141, pgs. 33-37 (1984)	
	B114	LEWIN, B. (editor), Genes (2nd Edition John Wiley & Sons, Inc. 1984 pgs. 294-298 and pgs. 464-465	
		LICHTER et al., Proc. Natl. Acad. Sci. USA, Vol. 85, pg. 9664 (1988)	
	B115		
		LLKE and Butterworth, J. Cell Sci, Vol. 76, pg. 189 (1985)	
	B116		
		LUBS et al., Science, Vol. 169, pg. 495, (1970)	
	B117		
	B118	MANIATIS et al., "Molecular Cloning: A Laboratory Manual," (Cold Springs Harbor Laboratory, 1982), pgs. 256-330	
	B119	MANNING et al., Biochemistry, Vol. 16, pgs. 1364-1370 (1977)	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/608,092
Filing Date	30-Jun-2003
First Named Inventor	Gray, Joe W., et al.
Art Unit	1631
Examiner Name	Marjorie A. Moran
Attorney Docket Number	7045945002

Sheet 12 of 17

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	B120	MANUELIDIS et al., "Human Genet., Vol. 71, pg. 288, (1985)	
	B121	MANUELIDIA et al., Chromosomal and Nuclear Distribution of the Hind III 1.9-KB Human DNA Repeat Segment, Chromosoma, Vol. 91, pgs. 28-38, (1984)	
	B122	MARMUR, "A Procedure for the Isolation of Deoxyribonucleic Acid from Micro-Organisms," J. Mol. Biol., Vol. 3, pgs. 208-218 (1961)	
	B123	MENDELSON et al., Science, Vol. 179, pg. 1126 (1973)	
	B124	MONTGOMERY et al., Proceedings Of The National Academy Sciences, Vol. 80, pgs. 5724-5728, USA, (1983)	
	B125	NAKAMURA et al, Science, 235: 1616 (1987)	
	B126	NORA et al., Medical Genetics: Principles and Practice Lea and Febiger, (1989)	
	B127	NOWELL et al., National Academy of Sciences, Science, Vol. 132, pgs. 1488-1501 (November 1960)	
	B128	OLSEN et al., Isolation of Unique Sequence Human X Chromosomal Deoxyribonucleic Acid, Biochemistry Vol. 19, pgs. 2419-2428 (1980)	
	B129	OLSEN et al., Isolation of Unique Sequence Human X Chromosomal Deoxyribonucleic Acid, Biochemistry, Vol. 19, pgs. 2419-2428 (1980)	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT***(Use as many sheets as necessary)***Complete if Known**

Application Number	10/608,092
Filing Date	30-Jun-2003
First Named Inventor	Gray, Joe W., et al.
Art Unit	1631
Examiner Name	Marjorie A. Moran
Attorney Docket Number	7045945002

Sheet 13 of 17

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	B130	PARKS and HERZENBERG, Methods in Cell Biology, Vol. 10, pgs. 277-295 (Academic Press, N.Y., 1982)	
	B131	PETERS et al., Cytometry, Vol. 6, pg. 290-301 (1985)	
	B132	PINKEL et al, UCRL-93243 ABSTRACT	
	B133	PINKEL et al, UCRL-93269 ABSTRACT	
	B134	PINKEL et al, UCRL-93553 ABSTRACT	
	B135	PINKEL et al. (II), Cold Spring Harbor Symp. Quant. Biol., Vol. 1, pg. 151 (1986)	
	B136	PINKEL et al. (II), supra; Manuelidis, PNAS USA, Vol. 81, pg. 3123 (1984)	
/JSB/	B137	PINKEL et al., Cytogenetic Analysis Using Quantitative, High-Sensitivity, Fluorescence Hybridization, Vol. 83, pgs. 2934-2938 (May 1986), Proc. Natl. Acad. Sci. USA	
/JSB/	B138	PINKEL et al., Fluorescence in situ Hybridization with Human Chromosome-Specific Libraries: Detection of Trisomy 21 and Translocations of Chromosome 4, Proc. Natl. Acad. Sci., USA, Vol. 85, pgs. 9138-9142, (Dec. 1988), Natl. Acad. Of Sci., Washington, DC, USA	
	B139	PINKEL et al., Proceedings Of The National Academy Sciences, Vol. 83, pgs. 2934-2938, USA, (May 1986)	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT***(Use as many sheets as necessary)***Complete if Known**

Application Number	10/608,092
Filing Date	30-Jun-2003
First Named Inventor	Gray, Joe W., et al.
Art Unit	1631
Examiner Name	Marjorie A. Moran
Attorney Docket Number	7045945002

Sheet 14 of 17

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Proc. Natl. Acad. Sci. USA., 1988, Vol. 85, pgs. 9664-8	
	B140		
		RAPPOLD et al., Hum. Genet, Vol. 67, pg 317, (1984)	
	B141		
		RICHARDSON et al., "Biotin and Fluorescent Labeling of RNA Using T4 RNA Ligase," Nucleic Acids Research, Vol. 11, pgs. 6167-6184 (1983)	
	B142		
		RIGBY et al., J. Mol. Biol., Vol. 113, pg. 237 (1977)	
	B143		
/JSB/	B144	ROTH et al., Detection of Philadelphia Chromosome - Positive Cells by the Polymerase Chain Reaction Following Bone Marrow Transplant for Chronic Myelogenous Leukemia, Blood Vol. 74, No. 2, pgs. 882-885, (August 1989)	
/JSB/	B145	ROWLEY, A New Consistent Chromosomal Abnormality in Chronic Myelogenous Leukaemia identified by Quinacrine Fluorescence and Giemsa Staining, Nature Vol. 243, pgs. 290-293, (June 1973), Nature Publishing Group	
		RUDDIN and STOLLAR, Nature, Vol. 265, pgs. 472-473 (1977)	
	B146		
		SAIKI et al., Science, Vol. 230, pg. 1350 (1985)	
	B147		
		SCHARDIN et al., Hum. Genet., Vol. 11, pg. 282 (1985)	
	B148		
		SCHMECKPEPER et al., "Partial Purification and Characterization of DNA from Human X Chromosome," Proc. Natl. Acad. Sci., Vol. 76, pgs. 6525-6528 (1979)	
	B149		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)**Complete if Known**

Application Number	10/608,092
Filing Date	30-Jun-2003
First Named Inventor	Gray, Joe W., et al.
Art Unit	1631
Examiner Name	Marjorie A. Moran
Attorney Docket Number	7045945002

Sheet 15 of 17

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	B150	SCHMICKEL, Journal of Pediatrics, Vol. 109, pg. 231, (1986)	
	B151	SCHWEIZER, "Reverse fluorescent chromosome banding with Chromomycin and DAPI," Chromosoma, Vol. 58, pgs. 307-324 (1976)	
	B152	SEALINGHE et al. Chromosoma, Vol. 82, pgs. 205-216 (1981), Berlin, Germany	
	B153	SEALY et al., "Removal of Repeat Sequences from Hybridization Probes", Nucleic Acid Research, Vol. 13, pg. 1903 (1985)	
/JSB/	B154	SHTAIRID et al., Analysis of Breakpoints Within the <i>bcr</i> Gene and Their Correlation with the Clinical Course of Philadelphia-Positive Chronic Myelogenous Leukemia, Blood, Vol. 72, No. 2, pgs. 485-490 (Aug 1988), Grune & Stratton, Washington, DC, USA	
	B155	SHTIVELMAN et al., Alternative Splicing of RNAs Transcribed from the Human <i>abl</i> Gene and from the <i>bcr-abl</i> Fused Gene, Cell, Vol. 47, pgs. 277-284, (Oct. 1986), Cell Press, Cambridge, MA, USA	
/JSB/	B156	SHTIVELMAN et al., <i>bcr-abl</i> RNA in Patients With Chronic Myelogenous Leukemia, Vol. 69, No. 3, pgs. 971-973, (March 1987) Blood [^]	
	B157	SIEBERS et al., Humangenetik, Vol. 28, pg. 273 (1975)	
	B158	SMITH et al., Nucleic Acids Research, Vol. 13, pgs. 2399-2412 (1985)	
	B159	Somatic Cell Molec. Genet., Vol. 11, pg. 571 (1985)	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known			
		Application Number	10/608,092		
		Filing Date	30-Jun-2003		
		First Named Inventor	Gray, Joe W., et al.		
		Art Unit	1631		
		Examiner Name	Marjorie A. Moran		
Sheet	16	of	17	Attorney Docket Number	7045945002

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		SPARKES, Biochem. Biophys. Acta., Vol. 780, pg. 95, (1985)	
	B160		
		STEWART et al, Nucleic Acids Research, Vol. 13, pgs. 4125-4132 (1985)	
	B161		
		STRAUME et al. UCRL-93837 ABSTRACT	
	B162		
		TCHEN et al., 'Chemically Modified Nucleic Acids as Immunodetectable Probes in Hybridization Experiments," Proc. Natl. Acad. Sci., Vol. 81, pgs. 3466-3470 (1984)	
	B163		
		TRASK et al, UCRL-93372 ABSTRACT	
	B164		
/JSB/	B165	TRASK et al., Early hydrofolate reductase gene amplification events in CHO cells usually occur on the same chromosome arm as the original locus; Vol. 3, Received pgs. 1913-1925 (August 1989), Revised Version Accepted (September 1989) ^Genes and Development	
		TRASK et al., Hum. Genet., Vol. 78, pg. 251, (1988)	
	B166		
/JSB/	B167	TRASK et al., The Proximity of DNA Sequences in Interphase Cell Nuclei Is Correlated to Genomic Distance and Permits Ordering of Cosmids Spanning 250 Kilobase Pairs, Vol. 5, pgs. 710-717 (1989), GENOMICS	
		TRASK, et al., in Science, Vol. 230, pp. 1401-1402 (1985)	
	B168		
		UCRL-52000-85-7, Energy and Technology Review, pgs. 84-85, (July 1985)	
	B169		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/608,092
Filing Date	30-Jun-2003
First Named Inventor	Gray, Joe W., et al.
Art Unit	1631
Examiner Name	Marjorie A. Moran
Attorney Docket Number	7045945002

Sheet 17 of 17

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		van DEKKEN et al., Chromosoma (Berl) Vol. 97, pgs. 1-5 (1988)	
	B170		
		van den ENGH et al., Cytometry, Vol. 5, pgs. 108-123 (1984)	
	B171		
		van DILLA et al., id Fuscoe, Gene, 52: 291 (1987)	
	B172		
		van DILLA et al., "Human Chromosome-Specific DNA Libraries: Construction and Availability,"	
	B173	Biotechnology, Vol. 4, pgs. 537-552 (1986)	
		WALLACE et al., The Use of Synthetic Oligonucleotides as Hybridization Probes., II, Hybridization of	
	B174	Oligonucleotides of Mixed Sequence to Rabbit Beta-Globin DNA, Vol. 9, pgs. 879-894, (1981), Nucleic	
		Acids Research	
/JSB/	B175	WESTBROOK et al., Long-Range Mapping of the Philadelphia Chromosome by Pulsed-field Gel	
		Electrophoresis, Blood, Vol. 71, No. 3, pgs. 697-702, (March 1988), Cune & Stratton, Washington, DC, USA	
		WILLARD et al., "Isolation and Characterization of a Major Tandem Repeat Family from the Human X	
	B176	Chromosome," Vol. 11, pgs. 2017-2033, (1989), Nucleic Acids Research	
		YUNIS and M.E. CHANDLER Prog. in Clin. Path., Vol. 7, pg. 267 (1977)	
	B177		
		YUNIS, The Chromosomal Basis of Human Neoplasia, Vol. 221, pgs. 227-236, (1983), Science	
	B178		
		ZILLACUS et al., Scan. J. Haematol, Vol. 15, pg. 333 (1975)	
	B179		

Examiner
Signature

/John S. Brusca/

Date
Considered

04/06/2010

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /JSB/